

Telehandler / Zoom Boom

Used Telehandler Pomona - Telehandlers have numerous names including a teleporter, Cherry picker, telescopic handler or boom lift. This industrial machine is commonly used in a variety of industries and in agriculture. Similar to a crane and a forklift as it has a boom allowing it to extend forwards and upwards. Many different attachments can be used at the end of the articulating boom to facilitate a wide number of jobs. Common attachments include pallet forks, a winch, a bucket or a muck grab. The main telehandler attachment is the pallet forks. These attachments help the operator transport different sized loads to many locations that would be considered unreachable with a traditional forklift. Telehandlers allow cargo pallets to be loaded and unloaded from a trailer and placed on high locations such as racking or rooftops. Typically, high locations would traditionally require a crane; however, telehandlers can facilitate these tasks easily and efficiently. It isn't always practical or affordable to rely on a crane or secondary machinery to complete the job. A bucket or bucket grab is the most popular telehandler attachment in the agricultural industry. Transporting items from unreachable places that cannot use a backhoe loader or a wheeled loader is one of the main advantages of using a telehandler. Telehandlers are beneficial for applications that would usually require a loading ramp or conveyor since they are capable of directly accessing trailers with high sides and hoppers. Having one item to complete a variety of jobs saves time, money and storage space. Telehandler units often work together with a crane jib. Many attachments can be used such as power booms, grain and dirt buckets and rotators. Agricultural models can be outfitted with power take-off and 3-point linkage, making the telehandler and exceptionally useful. However, the main advantage of the telehandler is additionally its' largest limitation. When raising or extending with heavy loads, the boom functions similar to a lever. Despite significant counterweights in the rear, the telehandler can be subject to instability at times, decreasing the lifting capacity as the working radius or distance between the center of the load and the front of the wheels increases. When a telehandler functions as a single boom loader (as opposed to twin arms) and carrying a heavy load, there can be a potential for weakness even in the best designs. A 5000 lb. capacity telehandler could lift 400 lbs. safely while fully extended with a retracted boom in conjunction with a low boom angle. This unit with a 5000 lb. lift capability and retracted boom could support as much as ten thousand pounds after the boom is raised seventy degrees. Monitoring the angle, weight and boom height, there are load charts on this equipment to outline which tasks can be safely conducted. Updated telehandler models have computers and sensors. The operator is warned and even cut off further control input once the limits of the telehandler are surpassed. There are front stabilizers that can drastically enhance the machine's lifting capacity while it is stationary. A mobile crane can also use a bucket is another option consisting of a stabilized rotary joint found between upper and lower frames. Compact telehandler models are available in a variety of different weights, reach, sizes and boom designs. Telehandlers fall into the compact category if the unit weighs in at 11,000 lbs. or less. Compact models feature a two- stage boom design in comparison to the three or four boom design that is common with larger units. A low pivot boom ensures better operator visibility for transporting loads on compact units. Compact models are skinnier and have thinner dimensions. The reach capacity for compact units is between thirteen to twenty feet and these units offer a lift capacity from five to seven thousand pounds. These versatile machines make the compact telehandler extremely popular. This machine can be utilized for carrying tools or as a pick and place unit. This machine is often used in locations that are cramped and tight. Residential applications are common as contractors relish their useful nature with framing applications and where height restrictions come into play. Telehandlers can enter internal building access in hard-to-reach locations. Compact telehandlers are used in many applications including nurseries, erecting steel, multi-story construction, masonry, strip malls, garages and similar jobs. Telehandlers are employed by agri-business and farming applications to complete many jobs. Telehandlers are made with two or four-wheel drive as well as crab steering. This machine can traverse longer distances

with two-wheel drive at higher speeds to facilitate easy travel between worksites. The 4-WD units are capable of having a tighter turning radius and can travel difficult terrain. Crab steering increases overall maneuvering and enables the front and back wheels to move 45 degrees to the left or the right. There are a variety of cab interior options available for compact telehandlers. On entry-level models, there is a rollover cage for added safety. Higher-end models are equipped with a fully enclosed cab, a heater, windshield wiper and defroster. Operators enjoy spacious accommodation for ultimate comfort. Additional options including satellite radio, air conditioning, armrests, cup holders, suspension seats and tilt steering are available. Different high-flow auxiliary hydraulics and high-pressure hydraulics run the variety of attachments. The different attachments allow the machine to be capable of many options. All of these attachments enable the machine to conduct a variety of jobs. Compact machines conduct ground-engaging jobs. Adding a bucket attachment can make a compact telehandler transform into a mini excavator. Light and heavy-duty buckets can be used to move items, augers can plant trees or drill holes, rotating and side-shifting fork carriages facilitate pick-and-place, truss booms are in place for extending reach, sweeping brooms and crane hooks are other popular attachments. Skid steer options are made for compact telehandler designs and ultimate versatility.